DOCUMENT RESUME

ED 119 293 EA 007 913

AUTHOR Hendra, Stan
TITLE After 8? A Guide for the Parents of Grade 8 Students in Ontario.
INSTITUTION Ontario Dept. of Education, Toronto.; Ontario Ministry of Colleges and Universities, Toronto.
PUB DATE Oct 75
NOTE 22p.
AVAILABLE FROM Ministry of Colleges and Universities, Mowat Block, Queen's Park, Toronto, Ontario, M7A 1C6, Canada (free)

EDRS PRICE MF-$0.83 HC-$1.67 Plus Postage
DESCRIPTORS Articulation (Program); *Educational Alternatives; Educational Opportunities; Educational Planning; Grade 8; *Guides; Parent Counseling; Post Secondary Education; *Program Descriptions; *Secondary Education; Student Financial Aid; *Student Promotion
IDENTIFIERS *Ontario

ABSTRACT

This booklet is aimed primarily at parents of Grade 8 students in the province of Ontario and is intended to help parents plan their child's secondary education. In particular, the booklet attempts to clearly describe the choices open to students as they move from Grade 8 to secondary school and to relate, in a general way, secondary school courses to opportunities at the postsecondary level. Separate short sections offer a basic description of secondary education in Ontario, discuss possible alternatives and variations from the typical secondary school program, examine opportunities for postsecondary education in Ontario, describe various ways of financing a postsecondary education, and discuss the process of planning a school program appropriate for each student.
(Author/JG)

****
* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. Nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *
****

ED119293

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

After 8?

A guide for the parents of Grade 8 students in Ontario

by Stan Hendra
M.A., M.Ed.

Published and distributed jointly by the
Ontario Ministry of Colleges and Universities
and the Ontario Ministry of Education

EA 007 913

Ontario
Ministry of Colleges and Universities
Ministry of Education

Introduction

This publication is primarily intended for you, the parents of Ontario's Grade 8 students.

It is a result of concern for the educational welfare of students. The concern of teachers, particularly guidance counsellors. And the concern of two Ontario government ministries—Colleges and Universities, and Education.

The concern is for you as parents of children on the threshold of high school. The dilemma facing many of you is that you are, at the same time:

- perplexed by today's educational systems
- required to assist your children in making educational decisions.

After 8? takes into account that many of you, like the author, went to school in the '40s and '50s when the province's educational structure was much simpler. Many others, born and educated elsewhere, may be even less familiar with our changing educational systems. The booklet's aims are to:

- describe, clearly and simply, the choices open to your children as they move from Grade 8 to secondary school.
- relate, in a general way, secondary school courses to opportunities at the post-secondary (after high school) level.

For information of particular interest to you, plan to attend the *information sessions* organized by schools specifically for the parents of Grade 8 students. These sessions usually take place at the school your child is attending or at a nearby high school. Their purpose is to explain local secondary school programs. There you can, and should, ask questions.

Later on, you can take advantage of similar sessions held at community colleges and universities to explain their programs and, if you wish, take part in group visits to these institutions.

It is recognized that some students will decide to leave secondary school and enter directly the world of work. This is often a perfectly legitimate decision but unfortunately it is not one that we can deal with directly in this booklet as we will be concentrating on the world of school, not the world of work.

At the back is a list of various related publications which you and your children might find useful. These are normally available in secondary school guidance information centres or from the publishing source. Many are free and yours for the asking.

I'd like to thank my colleagues at the Ministry of Colleges and Universities and the Ministry of Education for giving me this opportunity to communicate with the parents of Ontario students.

Together, we wish you and your children well as you embark on the new concept of parent-child-school educational partnership now being developed in Ontario.

Stan Hendra/October, 1975

Stan Hendra is Assistant Director of Guidance and Counselling Services for the Toronto Board of Education

Contents

6 Today's Secondary Schools
Diplomas, credits, compulsory subjects, free choices, areas of study, new terminology, occupational/vocational opportunities, etc.

10 Alternatives and Variations
Correspondence courses, night school, summer school, free schools, private schools, adult day school.

13 Post-Secondary Education
Universities, teachers' colleges, Ryerson, Ontario College of Art, colleges of applied arts and technology, other post-secondary schools and programs, correspondence/evening/on-the-job training opportunities, apprenticeship training, etc.

18 Financing an Education
Scholarships, awards or bursaries, Ontario Student Assistance Program, combining work and school.

19 Planning a School Program
Choosing a school, subject selection, career choice, the future society.

21 Selected Reference Publications

Charts

6 Areas of Study (Secondary School)
7 New Terminology Guide
8 Honour Graduation Diploma Subjects
13 Ontario Universities
15 Colleges of Applied Arts and Technology (CAATs)
20 Career areas and post-secondary programs with required and recommended credit subjects

Today's Secondary Schools

What is the Secondary School Graduation Diploma?

This is the diploma awarded to a student who has earned a minimum of 27 credits-usually in 4 years. A credit is earned for each full subject successfully completed in a year or a semester. We used to talk about Janet "passing her year" or Frank "passing all his subjects" but now we talk about "how many credits Janet and Frank earned this year". The Secondary School Graduation Diploma is the successor to the Junior Matriculation Diploma, discontinued many years ago.

You can find explanations of the Secondary School *Honour* Graduation Diploma (formerly Senior Matriculation) and the Certificate of Training further along in this section.

What is a credit?

A student earns a credit by successfully completing a course which normally takes a minimum of 110 to 120 hours of class time—or one period per day during the school year.

Are there still compulsory subjects in high school?

Yes, some studies *are* still compulsory. There are now 6 credits which a student *must* obtain before graduation:

- 4 credits in courses designated as English studies
- 2 credits in courses designated as Canadian studies

Aside from compulsory subjects, are all other selections free choices?

Not quite. To be granted a diploma, a student must obtain 3 credits in each of the following 4 areas of study:

- Communications
- Social and Environmental Studies
- Pure and Applied Sciences
- Arts

There are many subjects to choose from within these areas and principals must designate for their schools the area into which each subject will fit. Some subjects may meet the requirements of more than one area of study.

The following list is by no means all-inclusive. It is intended to give a sampling of the courses available and to indicate how some of the subjects available in the schools might be placed in the 4 areas of study.

The 4 Areas of Study

Communications:

Data processing
Drafting
English
Français
French
German
Latin
Shorthand
Typewriting

Social and Environmental Studies:

Economics
Family studies (Home economics)
Geography
History
Retail merchandising
Urban studies
World religions

Pure and Applied Sciences:

Accounting
Data processing
Elements of technology
Horticulture
Industrial arts
Mathematics
Sciences
Space and man

Arts:

Art
Family studies (Home economics)
Floriculture
Graphic arts
Music
Physical and health education
Screen education
Dramatic arts

Limitations of space, staff and financing may make it impossible for an individual school to offer all the subjects listed above, but the list gives you an idea of the variety of subjects available.

Many schools recommend that the student select, in each of the first 2 years of high school, at least one subject from each of the 4 areas of study. By so doing, the student is keeping open as many career doors as possible.

To earn a graduation diploma, students need—in addition to the minimum 3 credits in each of the 4 areas—a further 15 credits during their years in high school. Students may choose, especially in the 3rd and 4th year, to concentrate their credits according to their interests and long-range plans (for example, languages, business education, science, technology, art...).

I'd like to stress that these choices need to be thought about and talked about—and then thought about some more. Now is not too soon to start! However, I also want to stress that it is not essential (it may not even be desirable) that students entering high school commit themselves to a career and take only courses related to that career.

The important thing is to discuss and consider all possibilities and then choose subjects which will provide appropriate, but flexible, opportunities for your child.

What is meant by advanced level... general level... Year 2... Phase 3, etc.?

I know such terms can be confusing. However, no one set of answers applies to all high schools in the province. "Phase" and "level" are used so differently across the province that you should consult your local board of education about the terminology used in your school system. By using such terminology a school simply indicates that it teaches subjects at different degrees of difficulty and in different years. As a result, students are now able to take a program tailored to their individual needs, interests and abilities.

New Terminology Guide

Now	*Then*
Year 1	Grade 9 or 1st Form
Year 2	Grade 10 or 2nd Form
Year 3	Grade 11 or 3rd Form
Year 4	Grade 12 or 4th Form
Year 5	Grade 13 or 5th Form

With this much freedom of selection, how will I know my child can handle the courses selected?

Get advice from your child's teachers, counsellors and elementary school principal. They are the ones who see students regularly, who know how difficult or easy your child finds a subject. Chances are you'll benefit by going to them for insight and direction when you and your child are trying to develop a program of studies. A review of your child's report cards is another good indicator.

You can also ask to see your own child's *school record folder.* Recent legislation gives you this opportunity. The school record folder may provide further indications of your child's abilities, interests and potential.

How can students avoid making mistakes in subject choices?

Here's where you, as parents, have an important part to play. The credit system provides an exceptional opportunity for you and your child, together with school personnel, to plan an ongoing educational program. Since course selection will tend to have long-range implications, do consult teachers, guidance counsellors, and others, who can discuss with you the consequences of taking this or that subject. For some examples, see the Career Areas chart on page 20.

What is the Secondary School Honour Graduation Diploma?

This diploma, formerly called Senior Matriculation, is awarded to a student who has earned a minimum of 6 Grade 13 (Year 5) credits, following, in most cases, the completion of the Secondary School Graduation Diploma (27 credits). However, it is possible for a student to complete requirements for the Honour Graduation Diploma in less than 5 years.

Students planning to take Grade 13 Year 5) courses are well advised to take as many advanced credits as possible in the previous years of high school.

A word of caution. Although a student can earn an honour diploma by completing *any* 6 Grade 13 credits, many college and university programs may require *specific* credits and a good academic standing in addition to the diploma itself.

For up-to-date information, check post-secondary calendars and other publications in the school's guidance library. *Horizons*, published by the Ministry of Colleges and Universities, is the most widely circulated and consulted publication of this kind.

A wide variety of credit courses, now offered at the Honour Graduation level, is designed to equip students for post-secondary studies and activities.

Honour Graduation (Grade 13) Subjects

Limitations of space, staff and financing will make it impossible for an individual school to offer all the subjects listed here.

Ccurses with maximum value of 1 credit:

Accountancy practice
Algebra
Art (Visual arts)
Biology
Calculus
Chemistry
Economic reasoning
Geography
History
Home economics (Canadian family in perspective)
Mathematics
Mathematics of investment
Music
Physics
Relations and functions
Secretarial practice

Courses with maximum value of 2 credits:

Anglais*
English
Français
French
German
Greek
Italian
Latin
Russian
Spanish

One-credit courses requiring Ministry of Education approval

Dramatic arts
Law
Man in society
Man, science and technology
People and politics
Physical education
Screen education
Urban studies

*As taught to French-speaking students in francophone or bilingual secondary schools.

If the elementary school recommends that my child should go to a vocational school or enter an occupational program, what opportunities are there after high school?

Many. Both for jobs and further training. These vocational programs often combine job-situation training in the school with periods of actual on-the-job work experience. They are designed to equip students with the skills in demand in today's job marketplace.

Most of these courses have credit value and may be used to complete the requirements for the Secondary School Graduation Diploma. Students finishing 1, 2 or 3 years of an occupational program receive a Certificate of Training, stating the number of years completed.

The salaries now being paid to individuals with specialized skills or trades—chefs, hairdressers, auto mechanics—have taken an upward turn. After Year 2 (Grade 10) some students go on to apprenticeship training and earn while they are learning the basics of a trade.

Others may transfer to the general program in another school and continue their work towards a Secondary School Graduation Diploma. Still others may complete their diploma requirements at the vocational or occupational school and go on from there to work or further training at a community college.

The next section on "Alternatives and Variations" has a number of suggestions for students who go to work but are still interested in continuing their studies.

Does today's changed system of education mean that my child will be better educated than I was?

Yes, I think so—at least potentially. Today's system is designed to allow a child, and that child's family, to help develop an educational experience tailored to the student's own unique potential.

This goal reflects the Ministry of Education's philosophy of partnership among parents, students and schools. Thus educational planning is seen as the primary responsibility of the family; the provision of the necessary educational framework is the primary responsibility of the school system.

Of course, the system is still evolving and facing new challenges. These include:

- The need to establish new social groups or units within a learning institution to maintain that old sense of school pride in a fragmented atmosphere of individual timetables, with subjects taken at different levels and with different classmates each period.
- The need to maintain achievement standards and make them meaningful to parents and employers.
- The need to help parents of New Canadian children to understand our school system and also to make our schools more sensitive to the needs of these groups.
- The need to extend to female students full equality of opportunity in our schools. In practice, family attitudes and the traditional approach of society to female roles still restrict girls from considering the full range of possibilities in our schools. This is slowly changing but we aren't there yet!
- The need to extend guidance counselling services to parents, encouraging them to participate in this educational partnership.

9

Alternatives and Variations

What educational possibilities exist outside the regular secondary school programs?

You may be surprised to learn that there are at least 10 variations of the system just described; some combine with regular programs while others are substitutes. All provide recognized credit courses. The following information may not have immediate application for you and your children. However, it may prove helpful in a general way in planning for the years ahead.

Correspondence courses

These are provided free by the Ministry of Education to eligible Ontario residents. Students in the senior years of secondary school may also enrol, with their principal's permission. These courses, which may be started at any time of the year, are ideal for persons able to work independently and desiring to learn "at their own speed".

For further information, write or telephone

Correspondence Courses Branch
Ministry of Education
909 Yonge Street
Toronto M4W 3G2
Telephone: (416) 965-2657

Night school

The main purpose of evening course study is to provide adult students with opportunities for continuing education. Day students who wish to supplement or complement their daytime program may enrol in night school as well.

However, I'm always quick to emphasize that these programs don't suit all students. Here, the classroom atmosphere is adult in the sense that the onus to learn is on the student; consequently, there is less direct pressure to perform. After all, it is assumed that an adult is there because he or she wants to learn and will strive to do so. In the resulting atmosphere, which is serious and mature, some teenagers thrive while others wilt.

In addition to credit courses, many night schools offer attractive non-credit courses for interest or enrichment. Many regular secondary school students pursue hobbies through such courses. My feeling is that a student with a full day-school program should be cautious about assuming additional studies.

Call your local school board for further information.

Summer school

Summer School courses were originally set up to allow a student to "pick up" subjects which had been failed but were required for promotion to the next grade. Nowadays—and many of you may not know this—summer school programs have been expanded to include general credit, interest and recreational courses. It is now possible, via summer school credits, to complete the requirements for the Ontario Secondary School Diplomas (Graduation or Honour Graduation) in less than the customary 4 or 5 years. For personal reasons, some above-average students may wish to do this. Ideally, summer study programs should be carefully discussed with school personnel.

Your local school board will have further information.

Alternative schools (free schools)

There has been a good deal of interest on the part of students, parents and press in alternatives to the regular school system.

The resulting free school movement, watched warily by some, has a small number of enthusiastic supporters. While some "free" schools operate as private, fee-paying institutions, others are administered by local boards of education.

For further information about the free school movement, write to:

The Editor
This Magazine
56 The Esplanade, 4th Floor
Suite 407
Toronto, Ontario

This Magazine was formerly known as *This Magazine is About Schools.*

Private schools

There are over 200 private schools across the province. None is under the direction of the Ministry of Education or a local board of education. Such schools are not supported by tax money in any way, but by student fees and financial endowments from private individuals and firms. Many offer programs leading to the Secondary School Graduation Diploma and the Secondary School Honour Graduation Diploma. All have to request inspection if they intend to grant diploma credits.

Some are residential, others enrol day students only. Costs can be high, especially for students attending residential schools.

Private schools, by their nature, tend to vary. Some emphasize strict discipline; others lean towards free expression. Sports, the creative arts or a religious emphasis are stressed to differing degrees depending on the school's particular tradition.

For a list of private schools contact:

Communications Branch
Ministry of Education
Mowat Block, 14th Floor
Queen's Park
Toronto, Ontario
M7A 1L2
Telephone: (416) 965-6407

A large number of private vocational or trade schools offer a variety of skill training courses. These schools, supported primarily by students' fees, must be registered under the Private Vocational Schools Act, 1974. For a list of such registered schools, contact:

Information Branch
Ministry of Colleges and Universities
Mowat Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1B9
Telephone: (416) 965-6134

11

Out and in

Remember when the "drop out" was considered a failure by the school system and by society? Happily, this situation has changed and it is now quite acceptable to "drop out" for a period of time to work or travel, and then "drop back in" with no stigma attached. This is happening at both the secondary and the post-secondary levels, and has prevented many "drop outs" from becoming "turned offs". A temporary break from school makes it possible to return as a more mature, more interested and more successful student.

The provincial government has recently announced changes in the attendance regulations which will permit parents to apply for early school leaving for children aged 14 or 15. Such students will be required to carry on a program as prescribed by the Early School Leaving Committee. Consult your local school board for further information.

Part-time work and part-time study

Because of the flexibility of today's secondary school system, some secondary school students can, and are willing to, stretch out their schooling while they maintain financial independence or contribute to their family's income. Of course, there'll always be some students who can both attend a full-time program *and* work at a part-time job. Others may prefer to combine work with part-time day school, summer school, correspondence courses or night school.

Adult day school

Some school boards have established Adult Day Schools for people over 18 wanting to return to school. The atmosphere in such schools is similar to night school classes and appeals to many mature students for the same reasons.

Consult your local school board for further information.

Credits for mature students

Adults returning to high school to complete their diplomas—following an absence from school of at least 1 year—can now be granted credits for courses taken outside the regular school program and for work experience.

For further information see the folder entitled *Credit for the School of Hard Knocks*. A copy may be obtained from:

Communications Branch
Ministry of Education
Mowat Block, 14th Floor
Queen's Park
Toronto, Ontario
M7A 1L2
Telephone: (416) 965-6407

Apprenticeship training

As these programs usually begin after Year 2 or Year 4 (Grades 10 or 12), only occasionally after Grade 8, they are described in the post-secondary section.

Post-Secondary Education

What's new in the post-secondary area?
There have been a number of truly startling changes here... new institutions, growing enroiments, new courses and programs, and a concern for contemporary needs.

What is happening at the universities these days?
Do you know there are now 15 provincial universities in Ontario, in addition to Royal Military College and Ryerson Polytechnical Institute? Several of these universities have been built within the past 10 or 15 years.

After a decade of spectacular and heady expansion, university enrolments have levelled off. Moderate growth in 1974-75 increased the number of full-time students to 145,000, including Ryerson, which now grants degrees.

Most universities still demand a 60% average in six Grade 13 credits as a minimum entrance requirement. Several Ontario universities now admit a few outstanding grade twelve graduates each year. Students interested in an honours degree or in a program leading to a profession will need better than average marks.

Students can't enter professional programs such as law, medicine, teaching and library science directly from high school. For these programs, two years of related undergraduate study or an undergraduate degree is a basic requirement and there are usually many more applicants than there are places.

In today's university there are some fascinating new courses like: biophysics, communication arts, computer science, consumer studies, earth sciences, film arts, kinesiology, native studies, and urban studies.

Universities now offer a lot of flexibility, individual timetabling and freedom of choice. Many students opt for a general first year to try different subject areas.

Some of the costs of attending university have increased with inflation. Tuition fees, which have not risen at the same rate as other costs, range from about $610 to $700 in arts and science, $660 to $800 in engineering and $800 to $1,170 in medicine. Residence with meals or board and lodging now costs from $1,200 to $1,800 a year. Altogether it can cost from $2,500 to $3,000 or more for a year at university, so many students apply for assistance from the province.

Ontario Universities

Universities	*Location*	*Full-time Enrolment 1974-75*
Brock	St. Catharines	2,597
Carleton	Ottawa	8,235
Guelph	Guelph	9,453
Lakehead	Thunder Bay	2,456
Laurentian (a)	Sudbury	2,698
McMaster	Hamilton	9,375
Ottawa	Ottawa	9,990
Queen's	Kingston	8,820
Toronto (b)	Toronto	31,025
Trent	Peterborough	1,974
Waterloo	Waterloo	12,508
Western Ontario	London	16,680
Wilfrid Laurier (c)	Waterloo	2,650
Windsor	Windsor	5,929
York (d)	Toronto	11,365
Ryerson	Toronto	8,724
Royal Military College	Kingston	600

(a) University of Sudbury is a federated college within Laurentian University. Other campuses are Algoma College, Algoma; Nipissing College, North Bay; and College de Hearst, Hearst.

(b) The University of Toronto has two suburban campuses: Scarborough College and Erindale College.

(c) Formerly Waterloo Lutheran University.

(d) Glendon College is a federated bilingual college of York University.

For further information about Ontario universities and costs see:

Horizons
Spectrum
Ontario Student Assistance Program
or some of the other publications listed at the end of this booklet.

What about teachers' colleges?

There have been dramatic changes in this area. Most of the former teachers' colleges have become university faculties or colleges of education. Only the Hamilton and Toronto campuses of the Ontario Teacher Education College (OTEC), Nipissing College and Laurentian University restrict their teacher training to the elementary level. The other 8 university faculties of education across the province train both elementary and secondary school teachers. Students hoping to enter either program now need a university degree.

Has Ryerson changed?

In several ways. Its name was changed a few years ago to Ryerson Polytechnical Institute and it has now become a "techniversity", with over 8000 students. Since 1971, Ryerson has been offering degree programs in such areas as journalism, urban planning, early childhood education, home economics, interior design and specialized branches of science and technology.

For admission to most of Ryerson's diploma and certificate programs, students need only Grade 12 (Year 4) graduation, but for several of the degree programs they need an Honour Graduation Diploma from Grade 13 (Year 5).

Ryerson's new degrees are Bachelor of Applied Arts and Bachelor of Technology. Many Ryerson graduates are returning to upgrade their diplomas to degree status.

Have there been changes in the Ontario College of Art?

Yes. The college has modernized its programs, attracted much public interest, and now has an enrolment of over 1000. Not a degree-granting institution, O.C.A. awards its graduates a four-year diploma as a College Associate. This diploma is widely recognized in the world of design and commercial art. For admission, students need at least a Grade 12 graduation diploma and an art portfolio.

What do the new community colleges offer?

The Colleges of Applied Arts and Technology (CAATs) present one of the most exciting changes in Ontario's educational scene. Since 1965 the province has developed 22 colleges, with more than 70 campuses in communities large and small. They offer 2000 programs in such areas as business, technology, applied arts and health sciences. Our community colleges train people for jobs and they have been very successful in finding jobs for their graduates in industry, business and government.

This year the CAATs expect an enrolment of 58,000 full-time students in certificate and diploma programs, in addition to apprenticeship, manpower training and various short-term programs. Part-time enrolment, in courses geared to the needs and interests of young people and adults in the community, is now approaching 200,000.

The colleges have an "open door" admissions policy. Grade 12 (Year 4) graduates from any Ontario high school can be admitted to appropriate programs. Many CAAT applicants have Grade 13 (Year 5). Adults of 19 years or older, without the formal requirements, can also qualify, but may need some of the academic upgrading which the colleges offer.

In 1973 diploma nursing education was transferred from Ontario's teaching hospitals and regional schools of nursing to community colleges. Some 8000 nurses in training now take their academic subjects in a college setting to supplement their clinical practice in hospitals. (See also page 16.)

14

Colleges of Applied Arts and Technology

College	*Main Campus*	*Other Campuses*	*Full-time Post-Secondary Enrolment 1974-1975*
Algonquin	Ottawa	Pembroke Perth	6,547
Cambrian	Sudbury		1,279
Canadore	North Bay		908
Centennial	Metro Toronto (Scarborough)		2,636
Conestoga	Kitchener	Cambridge Clinton Guelph Harriston Stratford	2,135
Confederation	Thunder Bay		1,214
Durham	Oshawa		898
Fanshawe	London	Woodstock Simcoe	4,572
George Brown	Toronto		2,958
Georgian	Barrie	Orillia Owen Sound Penetanguishene	1,398
Humber	Metro Toronto (Etobicoke)		5,065
Lambton	Sarnia		713
Loyalist	Belleville		1,091
Mohawk	Hamilton	Brantford Stoney Creek	4,105
Niagara	Welland	Niagara Falls St. Catharines	2,166
Northern	South Porcupine	Haileybury Kirkland Lake	734
St. Clair	Windsor	Chatham	2,844
St. Lawrence	Kingston	Brockville Cornwall	2,599
Sault	Sault Ste. Marie		984
Seneca	Metro Toronto (North York)	King	4,579
Sheridan	Oakville	Milton Mississauga Brampton	3,651
Sir Sandford Fleming	Peterborough	Cobourg Lindsay	1,962

I understand that there are many specialized programs offered in other kinds of post-secondary colleges and schools across the province. What should I know about them?

Yes, there are many other choices after high school.

Ontario has four colleges of *agricultural technology*, some of which will be new to you. They offer such courses as agri-business, animal health technology and home economics.

- *Centralia* (1967) located on the grounds of the former airbase north of London, has a two-year program for students in central and mid-western Ontario.
- *Kemptville* (1917) is by far the oldest agricultural college and for years was the only school of its kind in Ontario. Situated south of Ottawa, it serves Eastern Ontario and the Ottawa and St. Lawrence valleys.
- *New Liskeard* (1967) was set up to serve the unique agricultural needs of Northern Ontario. It is situated about 100 miles north of North Bay and is on the edge of the Clay Belt.
- *Ridgetown* (1951), located near Chatham, serves the area of southwestern Ontario and the Lake Erie shore. This college offers a new agricultural secretary course for farm record-keeping.
- In addition, the *Niagara Parks Commission School of Horticulture* at Niagara Falls has been training gardeners and horticulturists for nearly 40 years.

What about medical and health sciences? Besides the 5 medical schools in Ontario (all of which have limited enrolment) there are many institutions and teaching hospitals offering specialized training in the health sciences.

- *Nursing education* programs leading to a diploma are offered at all colleges of applied arts and technology and at Ryerson Polytechnical Institute. These 2-year programs include clinical experience in hospitals and community health agencies. Graduates take the registration examinations of the College of Nurses of Ontario. Applicants need at least Grade 12 graduation with two senior science credits. Four-year programs leading to a degree in nursing are offered by 8 Ontario universities—Lakehead, Laurentian, McMaster, Ottawa, Queen's, Toronto, Western and Windsor. Students need Grade 13 for admission. When they graduate, they also write the College of Nurses' registration examinations.

- *Nursing assistant* programs are given at 5 regional centres, 10 community colleges, 24 hospital training centres and 9 high schools across the province. Students need to be at least 17 and to have at least Grade 10. The community colleges prefer that applicants be at least 19 with Grade 12. Graduates write a College of Nurses examination for registration as nursing assistants in Ontario.

- *Medical Laboratory Technology* programs can be taken at several community colleges, at the Toronto Institute of Medical Technology and at a few hospitals. These 2 or 3-year programs include clinical practice. Applicants need Grade 13 with science options or an equivalent year at a community college.

- *Radiological technology* programs—including diagnostic radiography, radio therapy and nuclear medicine—combine theory training in an accredited centre with practical hospital experience. Two-year programs leading to certification examinations are given by the Toronto Institute of Medical Technology, 4 community colleges and several hospitals. Applicants need Grade 12 with a good average in math and science and should have the maturity to work with sick and injured people.

- *Doctor of Chiropractic* is the diploma awarded upon completion of the 4-year program at the Canadian Memorial Chiropractic College in Toronto. For admission, students need a year of university with courses in biology, chemistry and psychology.

Other health sciences programs provide training for dental hygienists, bio-medical equipment technicians, emergency casualty attendants, medical records technicians, mental retardation counsellors, pharmacy assistants and many others. These courses are often run by community colleges in co-operation with hospitals and other agencies.

16

Are any training programs offered as correspondence courses, evening courses, on-the-job training or some combination of these?

Yes, quite a few. For instance, many professional associations within the business community offer special programs to upgrade the skills and reputation of their members. Here are some of the organizations offering such courses:

- Institute of Chartered Accountants of Ontario
- Certified General Accountants' Association of Ontario
- Society of Industrial Accountants of Ontario
- Institute of Canadian Bankers
- Institute of Chartered Secretaries and Administrators
- Life Underwriters' Association of Canada
- Real Estate Institute of Canada
- Association of Ontario Land Surveyors
- Canadian Institute of Traffic and Transportation

A specialized form of training is provided by the Ministry of Transport's Air Services School in Ottawa. It prepares trainees for such aviation careers as air traffic controller, meteorologist and radio operator. Flight attendants—including stewards and stewardesses—are normally trained by the major airlines themselves.

The Canadian Government is actively involved in personnel training in many areas, ranging from the Armed Forces programs of the Department of National Defence and the Canadian Coast Guard Officers' Cadet Training of the Ministry of Transport to adult retraining programs offered by Canada Manpower at Ontario's community colleges. More information can be obtained from Information Canada, from the nearest recruiting office of the Canadian Armed Forces, or from the Information Branch of the Ministry of Colleges and Universities in Toronto.

Apprenticeship training

These programs, which usually begin after Grade 10 or Grade 12 (Year 2 or Year 4 of secondary school) consist of on-the-job trainng with a qualified tradesperson plus periods of academic and theoretical work at a college of applied arts and technology.

Apprenticeship programs in the skilled trades are practical, job-oriented and financially rewarding—they pay you while you are learning. There are some problems though. It is sometimes difficult to find an apprentice opening and start your training. Because of the shortage of places, a student may face the frustration of being put on a waiting list.

For further information about apprenticeship training, check with your high school guidance office or write:

Manpower Training Branch
Ministry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario M7A 2B5

Is that all?

Not quite. As more adults return to the work force or undertake further training, and as more women seek personal fulfillment through further education and career opportunities, we can expect an even greater development in these programs in the future. Correspondence courses and evening programs leading to diplomas and degrees, upgrading programs for adults at community colleges, staff training by government, business and industry, specific skills taught by private trade schools—all these programs now offer at least as much flexibility as has been achieved at the secondary school level.

Financing an Education

How do students meet the high costs of post-secondary education?

Financing an education after high school poses a real problem to many students. Some get help from parents; some work part-time; some get loans and grants. Most students use summer job savings to help pay their way or to supplement other assistance. High school students planning to attend college or university are well advised to start saving for it a few years ahead of time.

For students going on to post-secondary education possible sources of financial assistance include:

- *Scholarships:* Outstanding students, as in the past, are eligible for scholarships. These awards are based primarily on academic achievement. Financial need is not normally a factor.

- *Awards or bursaries:* Many companies, service clubs, veterans groups and other organizations offer awards or bursaries for students. Many solid average students are helped in this way. You can find out about such awards from high school guidance counsellors.
  Some school boards provide modest assistance to high school students whose families are in financial need. The province also provides help in the form of $100 *Secondary School Bursaries* to needy students in their final year of high school who are planning to go on to post-secondary education. Such bursaries are awarded on the recommendation of the principal or guidance head.

- *Ontario Student Assistance Program (OSAP):* About two out of five post-secondary students in Ontario are receiving financial assistance through the Ministry of Colleges and Universities. Many eligible students receive both a loan and a grant, depending upon their family's income and their own education costs. The Canada Student Loans are guaranteed by the Federal Government and are provided interest-free while the student is attending college or university. Repayment, with interest, does not begin until six months after the student graduates or drops out.
  The OSAP grants, to cover educational costs over $800, are provided out of provincial tax funds. A thorough evaluation of family financial circumstances is necessary in order to decide who should get help and how much. Although not perfect, this system is working towards equalization of opportunity by helping many thousands of students, whose parents have modest incomes, to go on to college and university.

- For those who need special assistance, provincial loans and bursaries for part-time studies are also available.

- A variety of second-language fellowships and bursaries, funded by the Federal Government, are administered by the Province. These are intended to encourage anglophones to learn French and vice versa.

Combining work and school

More students are now combining periods of work and periods of school. About 90% of post-secondary students get summer jobs. Some work part-time during the academic year. Some alternate work and study periods in cooperative programs offered by a few colleges and universities. The University of Waterloo, Fanshawe College in London and Mohawk College in Hamilton are examples. Arrangements do exist which help the student who wishes to alternate work and study. For instance, the University of Guelph has a trimester system with entry points in September, January and April. Carleton University, the University of Waterloo and York University also admit students in January. Usually the maturity and experience gained through alternating study and work periods prove beneficial.

Planning a School Program

How do I know what high school to send my child to?

Children will likely attend a neighbourhood secondary school much as their parents did. Most of these schools have sufficiently broad programs to accommodate students' needs. During your child's Grade 8 year, there will be an opportunity to have the secondary school program explained to you on *Parents' Night.* Be sure to attend.

If you live in an area which has specialized secondary schools—commercial, art, technical, francophone programs, independent studies—you may need to consider further your child's special needs and abilities.

Here are some suggestions that might start you and your children on a planning program:

- *Examine the elementary school record*
  If you consider the marks, comments and school experiences which your children have had at the elementary level, a pattern should start emerging.

- *Consciously observe children's interests and skills*
  You have seen them around the house. You know what they are good at and not good at. You know what experiences they have responded to or been turned off by. You know what they read, draw, talk about, work at, watch on television. Discuss with them these indications of interest or lack of interest, and their particular potential will begin to come into focus.

- *Talk to the elementary school teacher, counsellor and principal*
  They have ideas, information and opinions on your child's potential and you should pool yours with theirs.

- *Don't make hasty decisions*
  It takes time for students to make up their minds about the direction they want to go in. They need exposure to the experiences and stimulation of secondary school before they can make firm decisions. They need to try out new courses, part-time jobs, volunteer jobs, after-school clubs and sports in this new setting and in this new period of their lives. Do you remember how your own ideas changed during your teen years? What experiences and influences helped you to come to a decision?

What about the problem of choosing subjects?

Check the accompanying chart of major subject areas, and the various careers or post-secondary programs for which they are required or recommended. Also please remember that the choice of secondary subjects should be determined only partly by a student's educational and vocational plans.

Two things are worth considering:

- First, almost any life style will require a fundamental grasp of English, sciences and mathematics.
- Second, a person will spend many hours of life in recreational and leisure activities. School is the ideal place to explore and develop interests—whether they lead to full-time careers or not.

What jobs will the society require in the future?

Predicting the future job market is hazardous, but here is one guess.

The job market now needs and will ned in the immediate future people who can do things with machines—run them, repair them, build them, design them, adapt them to a particular situation. Our present inefficent use of machines in a throw-away economy is producing a great waste of physical resources.

However, our society is just beginning to realize that another tremendous waste is occurring —a waste of human resources. Consequently we can expect an increasing concern over problems of human productivity—not as opposed to mechanical production, but as an essential component. You need only to walk along any street in an urban area these days to see the evidence of human wastage—the unemployed, the vagrants, the sick.

Careers where people work with people to overcome this disastrous wastage will be in demand. To "be good with people" will not be good enough. The future society will be looking for trained and skilful practitioners of the art of making systems run smoothly in an efficient but also a human way.

As I see it, technology will be expanded to encompass human needs as well as productivity. All future employment will be affected by the humanizing of technology.

19

Subjects Required and Recommended for Various Careers or Post-Secondary Programs

Subject	English	French	History	Latin
Required				
For courses or careers in:	Architecture Business administration Commerce and finance Early childhood education Graphic arts Home economics Interior design Journalism Radio and television arts Secretarial science Theology	Interpreting Translating Public administration	Diplomatic service Interior design Journalism Public administration	
Recommended				
For courses or careers in	For every course or career where people use spoken or written words to communicate ideas	Airline companies Archaeology Business administration Commerce and finance English Export / Import businesses Fashion Foods History Hotel and resort services Journalism Law Shipping companies Travel agencies	Anthropology Archaeology Architecture Business administration Commerce and finance Economics Geography Law Music Philosophy Politics Sociology Urban & regional planning	Archaeology English French Government History Law Medicine Political science Theology

Subject	Mathematics	Science	Geography
Required			
For courses or careers in	Architecture Astronomy Business administration Commerce and finance Computer science Dentistry Engineering Food sciences Forestry Graphic arts Interior design Medicine Meteorology Pharmacy Science Surveying Technology Veterinary science	Architecture Agriculture Dentistry Engineering Food science Forestry Graphic arts Home economics Medicine Nursing Pharmacy Physical & health education Physical and occupational therapy Surveying Technology Veterinary science	
Recommended			
For courses or careers in:	Agriculture Economics Health education Law Nursing Physical & health education Psychology Sociology	Astronomy Computer science Criminology Fashions Geography Interior design Meteorology Psychology	Agriculture Business administration Commerce and finance Economics Forestry History Meteorology Public administration Urban and regional planning

20

Selected Reference Publications

Some of these publications will be available in secondary school guidance offices, public libraries, and at college and university admissions offices and libraries. Specific sources are listed below.

Educational

Parents and students are strongly advised to request calendars from individual colleges and universities to determine specific entrance requirements. The following offer information of a more general nature.

- *Horizons Free*
  Guide to post-secondary education in Ontario admission requirements, fees, courses offered, etc.
  Information Branch
  Ministry of Colleges and Universities
  Mowat Block, Queen's Park
  Toronto, Ontario, M7A 1B9

- *Colleges of Applied Arts and Technology Programs (CAAT Chart) Free*
  Comprehensive listing of programs at Ontario community colleges
  Information Branch
  Ministry of Colleges and Universities
  Mowat Block, Queen's Park
  Toronto, Ontario, M7A 1B9

- *Nursing Free*
  A booklet outlining admission requirements and selection procedures for students who wish to enter nursing education programs in Ontario.
  Information Branch
  Ministry of Colleges and Universities
  Mowat Block, Queen's Park
  Toronto, Ontario, M7A 1B9

- *Apprenticeship Information and Folders on Skilled Trades Free*
  Manpower Training Branch
  Ministry of Colleges and Universities
  Mowat Block, 10th Floor
  Queen's Park
  Toronto, Ontario, M7A 1C2

- *Directory of Registered Private Vocational Schools Free*
  Partial list of courses offered by registered private trade schools in Ontario
  Information Branch
  Ministry of Colleges and Universities
  Mowat Block, Queen's Park
  Toronto, Ontario M7A 1B9

- *Spectrum $2.25*
  Basic information on colleges, universities and other education in Ontario.
  Guidance Centre
  Faculty of Education
  University of Toronto
  1000 Yonge Street
  Toronto, Ontario

- *Universities and Colleges of Canada $9.00*
  Basic information on Canadian universities and their affiliated colleges. Includes a comprehensive table of university programs. Order prepaid from:
  Publications Distribution Unit
  Statistics Canada
  (Cat. #81-230)
  Ottawa, Ontario, K1A 0Z5

- *Accredited Institutions of Higher Education $5.50*
  Annual listing of accredited colleges and universities in the United States.
  American Council on Education
  One Dupont Circle
  Washington, D.C. 20036

21

Careers

- *Career Selector Free*
  Data on over 100 careers, nature of work, training, qualifications, remuneration, etc.

  Women's Bureau
  Ministry of Labour
  400 University Avenue
  Toronto, Ontario, M7A 1T7

- *University and Community College Career Outlook Free*
  Basic information on college and university programs and their related careers.

  Manpower Information and Analysis Branch
  Program Development Service
  Canada Department of Manpower and Immigration
  Ottawa, Ontario, K1A 0J9

- *Careers Updated $1.50*
  Career information on 17 categories including business and public service.

  Ontario Education Research Council
  1260 Bay Street, 6th Floor
  Toronto, Ontario, M5R 2B1

- *Occupational Information Monographs $ .58*
  Request free check list of leaflets re some 150 careers. Further information in individual monograph form available at 58¢ per copy.

  Guidance Centre
  Faculty of Education
  University of Toronto
  1000 Yonge Street
  Toronto, Ontario, M4W 2K8

Financial Aid

- *Bursaries for Secondary School Students Free*
  Bilingual brochure outlining assistance to needy secondary school students for final year studies.

  Information Systems and Records Branch
  Ministry of Education
  Mowat Block, Queen's Park
  Toronto, Ontario M7A 1L2

- *Ontario Student Assistance Program Free*
  Booklet outlining Ontario financial assistance to post-secondary students (OSAP). Available in English or French.

  Student Awards Branch
  Ministry of Colleges and Universities
  Mowat Block, Queen's Park
  Toronto, Ontario, M7A 1C6

- *Canada Student Loans Plan Free*
  Bilingual brochure outlining federally-guaranteed loans for post-secondary students.

  Student Awards Branch
  Ministry of Colleges and Universities
  Mowat Block, Queen's Park
  Toronto, Ontario, M7A 1C6

- *Ontario Student Loans Plan Free*
  Booklet outlining provincially guaranteed loans for post-secondary students who do not qualify for assistance from OSAP or the Canada Student Loans Plan.

  Student Awards Branch
  Ministry of Colleges and Universities
  Mowat Block, Queen's Park
  Toronto, Ontario, M7A 2B4

- *Ontario Special Bursary Program*
  Bilingual brochures outlining provincial assistance for part-time students who are receiving social assistance, are unemployed or have a low family income.

  Student Awards Branch
  Ministry of Colleges and Universities
  Mowat Block, Queen's Park
  Toronto, Ontario, M7A 1C6

- *Second Language Bursary and Fellowship Programs Free*
  Brochures and applications for a variety of assistance programs to encourage minority language teaching and study.

  Student Awards Branch
  Ministry of Colleges and Universities
  Mowat Block, Queen's Park
  Toronto, Ontario, M7A 1C6

22